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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,408	07/19/2007	Olivier Lavastre	F-916 (31223.00145)	3407
25264	7590	07/10/2008	EXAMINER	
FINA TECHNOLOGY INC PO BOX 674412 HOUSTON, TX 77267-4412			LU, C CAIXIA	
ART UNIT	PAPER NUMBER			
	1796			
MAIL DATE	DELIVERY MODE			
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/591,408	Applicant(s) LAVASTRE ET AL.
	Examiner Caixia Lu	Art Unit 1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 09 April 2008.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 13-32 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 13-32 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application
6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. Claims 13-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hlatky (WO 01/814366) for the same rationale as set forth in Office Action mailed January 9, 2008.

Response to Arguments

2. Applicant's arguments filed April 9, 2008 have been fully considered but they are not persuasive.

Applicants argue, "Hlatky discloses a system wherein the ionic liquid is used as a solvent and is thus used in large amounts with respect to the metallocene catalyst component", and page 2, lines 17-27 are cited for support. The fact that the ionic liquid is used as solvent is not necessarily resulted to that large amount of ionic liquid has to be used. As matter of fact, Hlatky expressly discloses that the ionic liquids are good solvents line a 21-23 of page 2 and the ionic liquid is used in the range of 1-100 wt.% based on the total weight of ionic liquid, cocatalyst, and metal complex catalyst in lines 10-16 of page 7. In view of Hlatky's disclosure, one would have understood that small amount of ionic liquid is sufficient to dissolve the catalyst components, and one would have been motivated to minimize ionic liquid solvent by using the amount of solvent near the low end of the range of 1-100 wt.% in order to lower the cost and simplify polymer purification process. Furthermore, only claim 15 requires the ionic liquid and the catalyst component are mixed in approximately equal stoichiometric amounts, the

rest of the claims require the ratio of (ionic liquid)/(catalyst component) in the range of 5:1 to 1:5, and those ratios are encompassed by Hlatky's range as shown above.

Applicants also argue that Hlatky states that a catalyst support "may be undesirable of practicing the process of the invention" and cite lines 17-19 of page 7 for support. However, the teaching of the prior art should be view as whole. As a matter of fact, Hlatky also expressly discloses that a catalyst support such as silica or alumina can be used in line 17 of page 7. Apparently, Hlatky does not teach away from using a supported catalyst. Therefore, a skilled artisan would have been motivated to support Hlatky's catalyst composition in order to improve morphology (the known benefit for using a support).

In view of the foregoing, the rejections are still deemed proper and thus maintained.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached on 9:00 a.m. to 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Caixia Lu/
Caixia Lu, Ph. D.
Primary Examiner
Art Unit 1796